

BICYCLE FRAME

CLAIMS

I claim:

1. In a bicycle frame comprising a front portion, to which a front fork and front wheel are mounted, and a rear portion, to which a rear wheel is mounted, wherein the front and rear frame portions are interconnected by a flexible spring that extends between opposed spring mounting blocks on the front and rear portions, the mounting blocks having openings therein that receive and hold opposed ends of the spring, such that the spring flexes between the mounting block to provide flex for the frame, the improvement wherein:

the spring comprises at least two laterally spaced spring elements in the form of elongated rod springs, the mounting blocks having spaced openings therein to receive ends of the rod spring, the openings in the mounting blocks being of adjustable size and the mounting blocks including clamping means for adjusting the size of the openings in the mounting blocks to cause the ends of the rods spring to become securely clamped in the mounting blocks, the clamping means being releasable to permit removal and replacement of the rod springs.

2. A bicycle frame according to claim 1 wherein the rod springs comprise elongated cylindrical rods comprising fiber reinforced plastic resin.

3. A bicycle frame according to claim 1 wherein the mounting blocks comprise spaced openings for ends of the respective rods, the openings being connected by a slot, the sides of the slot being clamped together by the clamping means to clamp the rods in the mounting block.